

# Work Order ID 83658

\*8.3658\*

Page 1

April-23-12 10:15:34 AM

Item ID: D4088-043 Accept \*N9000040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Shoulder Harness  
 Start Date: 23/04/2012 Start Qty: 4.00 \*4\* Cust Item ID:  
 Required Date: 07/05/2012 Req'd Qty: 4.00 \*4\* Customer:  
 Reference:

Approvals: Process Plan: MLJ Date: 12/04/23 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start \*NR1\*  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4088	A								

100 0.00  
 \*100\*  
 Purchasing Memo 0.00  
 Purchasing Issue P/O: 16802  
 Manufacture D4088-043 as per Dwg D4088  
 Supplier: AMSAFE INC.  
 Certificate of conformity is required

CL 12/04/23 (4)

110 Receive & Inspect for Damage & Mat'l Certs 0.00  
 \*110\*  
 Packaging Memo 0.00  
 Packaging

44/08/23 (4)

120 QC6- Inspect dimensions to drawing 0.00  
 \*120\*  
 QC Memo 0.00  
 Quality Control ensure buckle engages and dis-engages correctly for every unit.

(X4)

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 83658

**\*83658\***

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April-23-12 10:15:34 AM

Item ID: D4088-043 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Shoulder Harness  
 Start Date: 23/04/2012 Start Qty: 4.00 **\*4\*** Cust Item ID:  
 Required Date: 07/05/2012 Req'd Qty: 4.00 **\*4\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <i>St 267</i>	0.00							
<b>*130*</b>									
Packaging	Memo	0.00				<i>4x</i>			<i>SP</i>
Packaging									<i>12-5-30</i>
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							<i>12/5/30</i>
Quality Control									<i>ME</i> <i>12-05-30</i>

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

April-23-12 10:15:38 AM

Page 1

Work Order ID: 83658

\*83658\*

Parent Item: D4088-043

\*D4088-043\*

Parent Item Name: Shoulder Harness

Start Date: 23/04/2012

Required Date: 07/05/2012

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV:A NEW ISSUE DD 10.04.29 VERIFIED:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
3221-1-021-2396		Purchased	No			110	Each	0.0000	1	4			
*3221-1-021-2396*									**				
Shoulder Harness													

19/05/2012

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

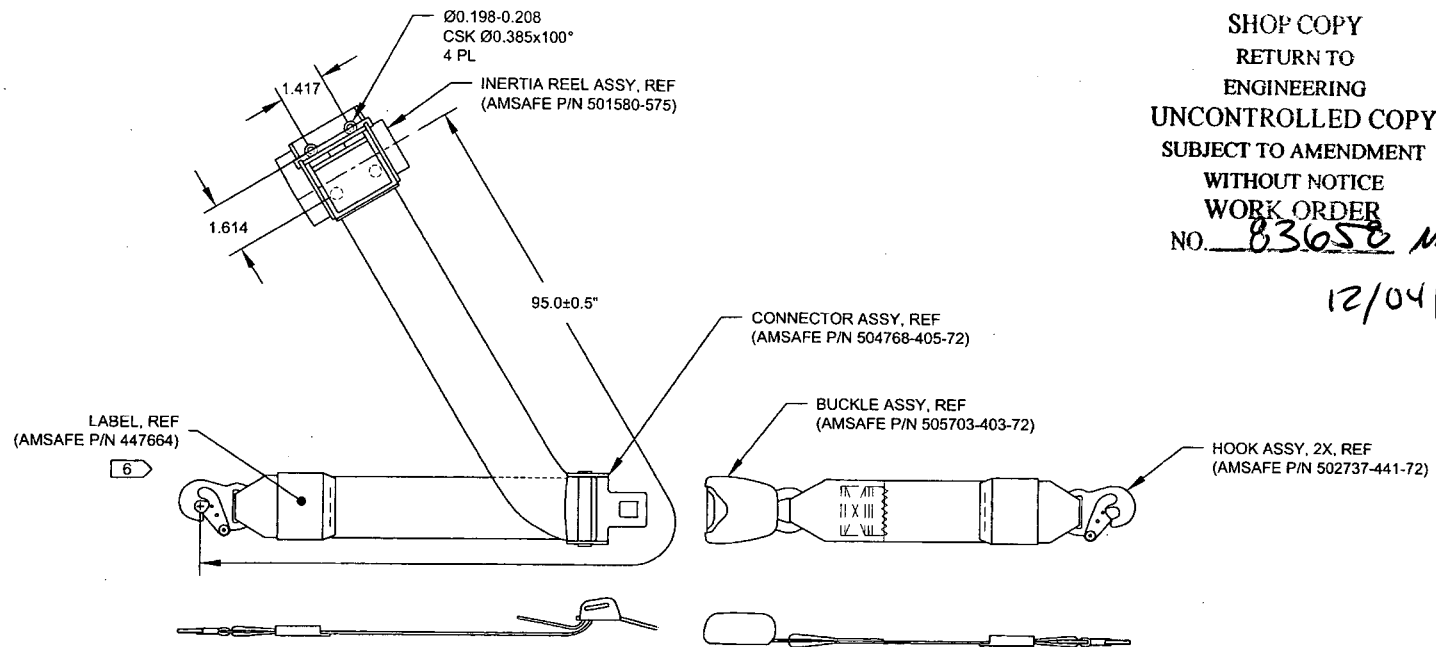
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# SPECIFICATION CONTROL DRAWING



## D4088-041 SHOUDLER HARNESS

### NOTES:

- 1) PURCHASE: AMSAFE INC. P/N 3221-1-011-2396  
3-POINT SHOULDER HARNESS WITH PUSH-BUTTON BUCKLE  
MEETS REQUIREMENTS OF TSO-C114  
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:  
PART NO. 3221-1-011-2396  
CUST P/N: D4088-041  
RATED: 3000 LBS DATE OF MFG  
CONFORMS TO TSO-C114
- 7) WEIGHT: 1.5 lbs

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 83658 MLC

12/04/23

RELEASED  
2010-04-27

A	NEW ISSUE	CP	10.03.16
REV.	DESCRIPTION	BY	DATE
DESIGN	99		
DRAWN	99		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.03.16		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. A  
D4088 SHEET 1 OF 2  
TITLE SCALE  
SHOULDER HARNESS NTS

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W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

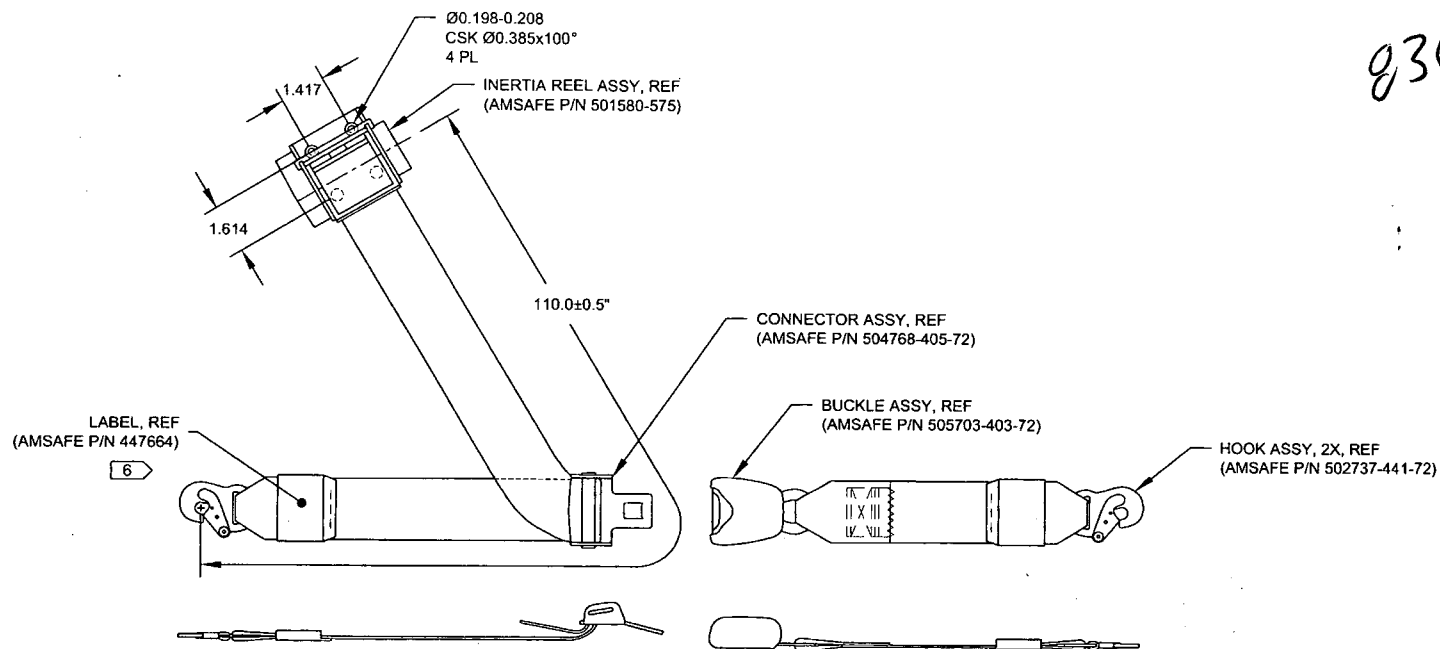
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# SPECIFICATION CONTROL DRAWING



## D4088-043 SHOULDER HARNESS

### NOTES:

- 1) PURCHASE: AMSAFE INC. P/N 3221-1-021-2396  
3-POINT SHOULDER HARNESS WITH PUSH-BUTTON BUCKLE  
MEETS REQUIREMENTS OF TSO-C114  
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:  
PART NO. 3221-1-021-2396  
CUST. P/N: D4088-043  
RATED: 3000 LBS DATE OF MFG  
CONFORMS TO TSO-C114
- 7) WEIGHT: 1.5 lbs

**RELEASED**  
2010-04-27

DESIGN	91	<b>DART AEROSPACE LTD</b>	
DRAWN	92	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4088	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		SHOULDER HARNESS	NTS
DATE	10.03.16	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMPILED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD			

W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE				By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector	
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

**NOTE:** Date & initial all entries



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO16802

Purchase Order Date 4/23/12

PO Print Date 4/23/12

Page Number 1 of 1

Order From :

VU-AMS001

AMSAFE INC.  
LOCKBOX #5  
P.O BOX 53075  
PHOENIX, AZ 85072-3075  
US

Contact Name

Vendor Phone 602 850 2850

Vendor Fax 602 850 2812

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

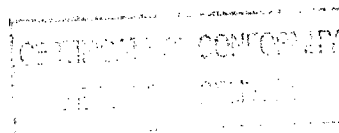
**FAXED**  
613 632 1053

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
3221-1-021-2396		Shoulder Harness	5/14/12 Yes	4.00 Each	FedEx PI collect	\$280.1500	\$1,120.60

Special Inst: AS PER DWG D4088 REV. A  
B83658  
AMSAFE P/N: 3221-1-021-2396

PO Total:

\$1,120.60



Change Nbr: 1

Change Date: 4/23/12

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

# AmSafe

1043 NORTH 47th AVENUE  
PHOENIX, AZ 85043  
PH (602)850-2850 FAX (602)850-2812

## SALES ORDER

Number: S232185 ✓ Page: 1

<b>CUSTOMER NO</b>
10006113 ✓

<b>SHIP TO NO</b>
10006125 ✓

<b>CUSTOMER P.O. NO</b>
PO16802 ✓

<b>DATE</b>
04/23/12

**SOLD TO:**


DART AEROSPACE  
1270 ABERDEEN STREET  
HAWKESBURY  
ONTARIO, CANADA K6A 1K7  
Canada

**BILL TO:**

DART AEROSPACE  
1270 ABERDEEN STREET  
ONTARIO, CANADA K6A 1K7  
Canada

**SHIP TO:**

DART AEROSPACE LTD.  
1270 ABERDEEN ST  
HAWKSBURY, ON K6A 1K7  
Canada

Attention:  TANTAL LAUDIE

Telephone: 613-632-9577

Fax: 613-632-1053

Salesperson: TOM HODGDON

Customer Service Rep: KATHY WADE

Site: 1

<b>TERMS</b>
NET 30

<b>FREIGHT TERMS</b>
COLLECT

<b>SHIP VIA</b>
FedEx Intl Priority ✓

<b>FOB POINT</b>
ORIGIN

LINE NO.	ITEM NUMBER	DESCRIPTION	SHIP DATE	QTY	OPEN	UM	UNIT PRICE	EXTENDED AMOUNT
1	3221-1-021-2396 34124471	TSO-C114  Customer P/N: D4088-043 REST SYS ASSY	05/14/12	4	EA	DRW:3221	280.15 USD	1,120.60 USD REV: A

*Scalitz*

REMARKS: 1517-9324-0

Final Destination: Canada

COUNTRY OF ORIGIN USA

FAA 8130 FORMS REQUIRED

LINE TOTAL:	1,120.60 USD
FREIGHT	0.00 USD
AOG	0.00 USD
URGENT	0.00 USD
TOTAL:	1,120.60 USD

1. Approving National Aviation Authority/Country:  FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</b>				3. Form Tracking Number:  5232185-1/A	
4. Organization Name and Address: <b>AmSafe Aviation</b> 1043 North 47th Avenue Phoenix, Arizona 85043				Cert. No. <b>PT1967NM</b>		5. Work Order/Contract/Invoice Number: <b>S232185 - 1</b> PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	REST SYS ASSY	3221-1-021-2396	N/A	4	A0512	NEW	
13. Remarks: Drawing: 3221 Rev: A TSO: TSO-C114							
EXPORT AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA							
14. Certifies the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation  <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13  Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: 		16. Approval/Authorization No.: <b>ODA602112NM</b>		20. Authorized Signature		21. Authorized/Certificate No.	
17. Name (typed or printed) <b>Nellie Alvarado</b>		18. Date (m/d/y): <b>MAY/23/2012</b>		22. Names (typed or printed)		23. Date (m/d/y):	
<b>User/Installer Responsibilities</b>							
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/compenents/assemblies from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>							